

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

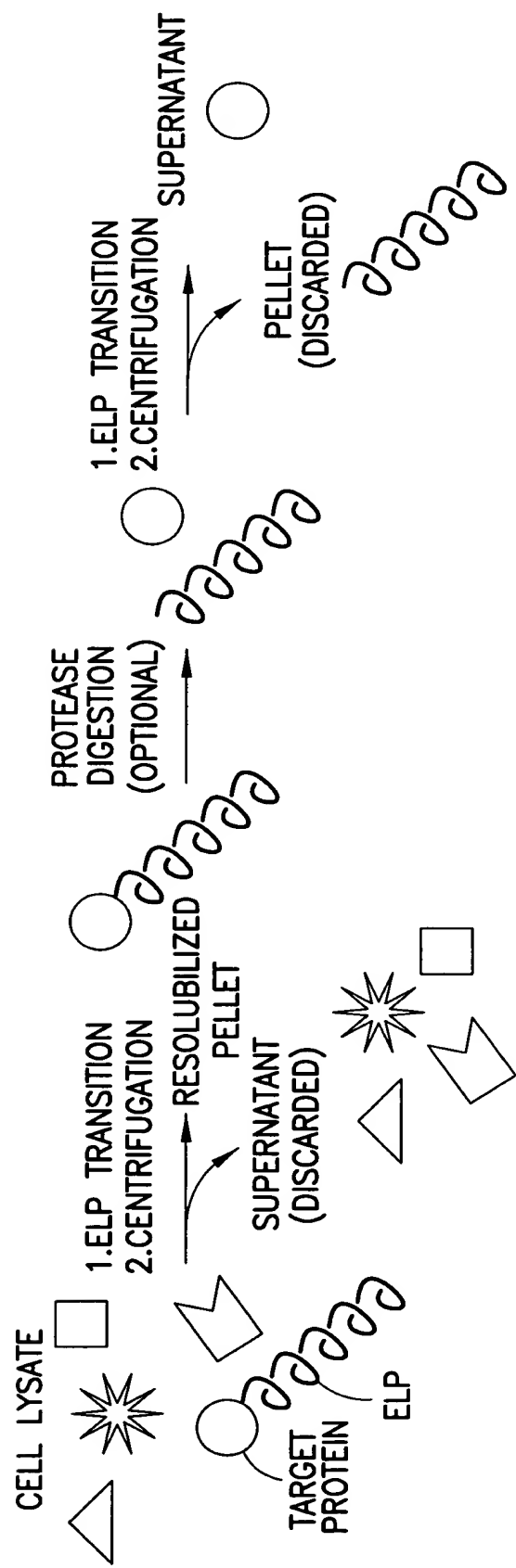
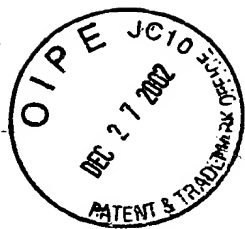


FIG.1



2/20

O.G. FIG.		SUBCLASS
APPROVED	BY	CLASS
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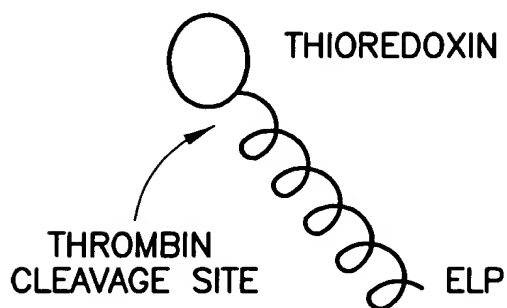


FIG.2

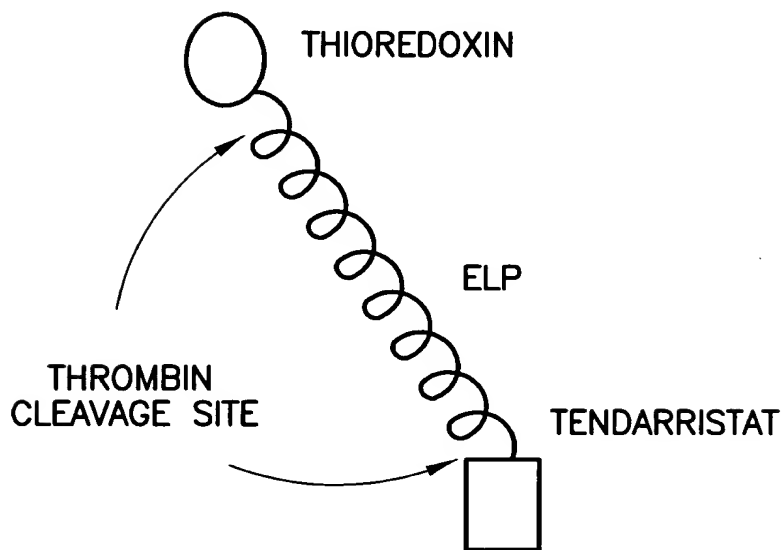
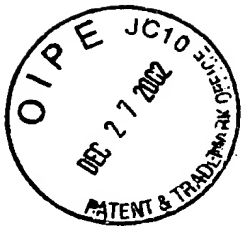


FIG.3



3/20

APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

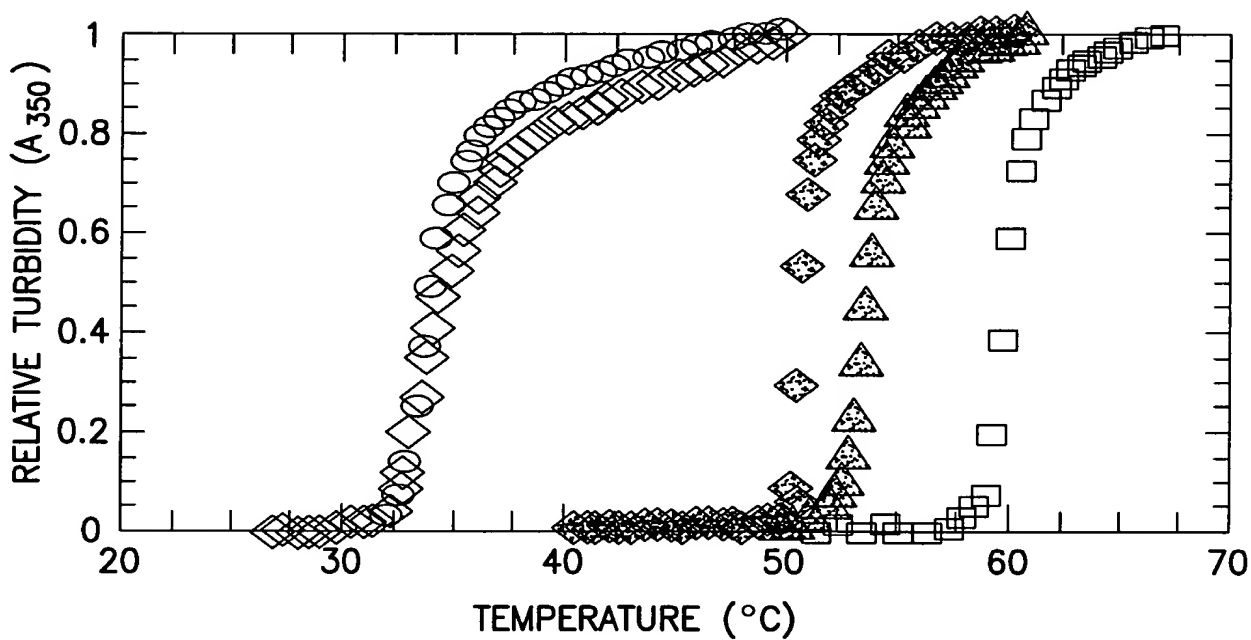
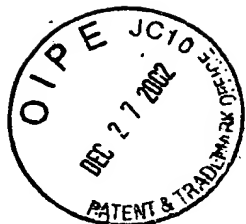


FIG.4



4/20

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	

$Y=M0+M1*x+...M8*x^8+M9*x^9$	
M0	116.21
M1	-1.7499
M2	0.010349
R	0.99793

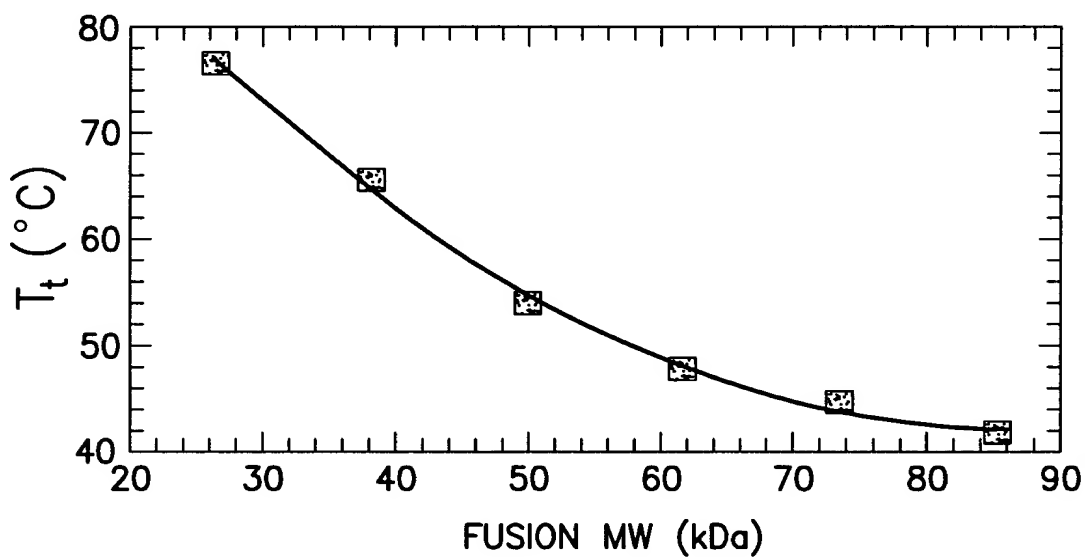
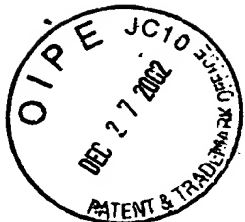


FIG.5



5/20

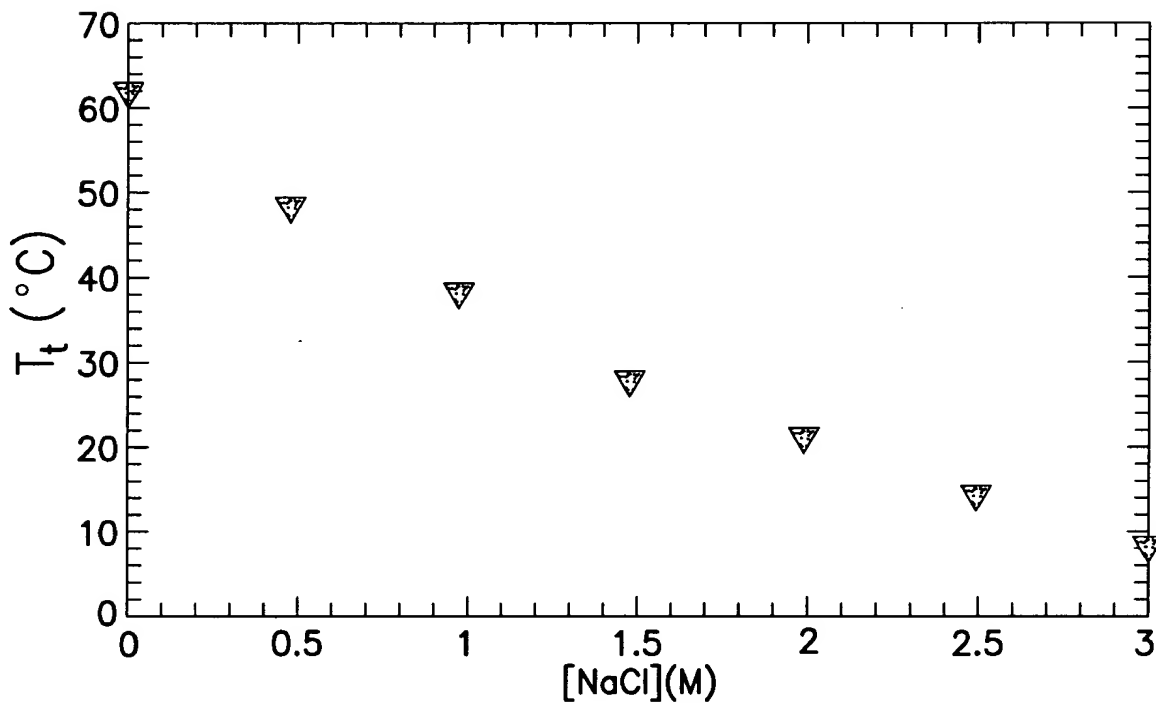


FIG.6

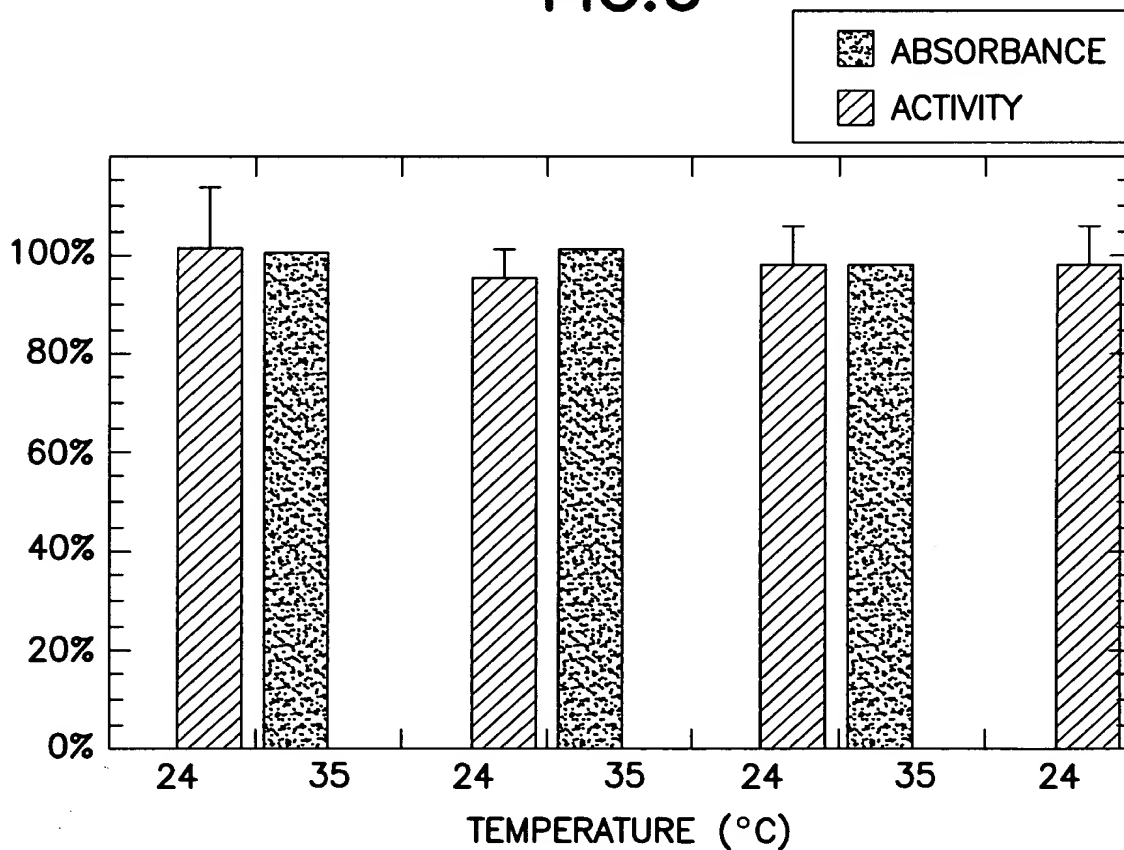
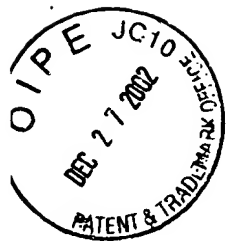


FIG.7

O.G. FIG.		SUBCLASS	
CLASS			
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6/20

CLASS	SUBCLASS
BY	CLASS
INVENTOR	

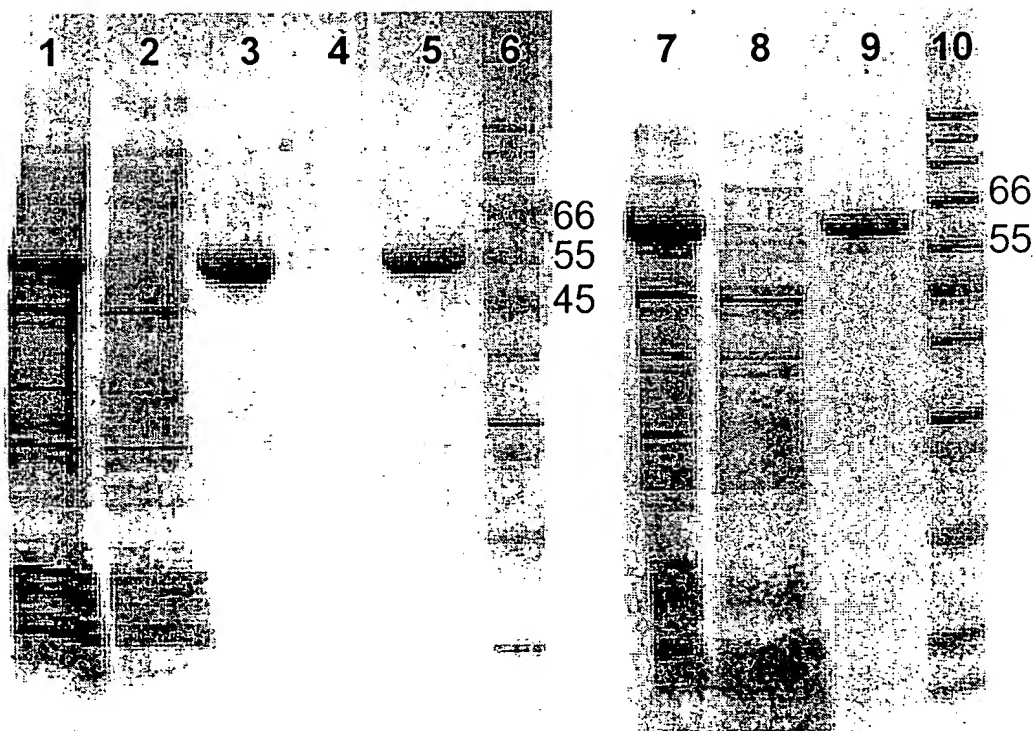
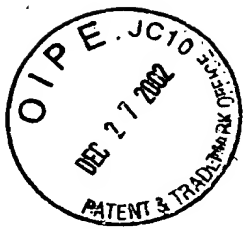


FIG.8



7/20

APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

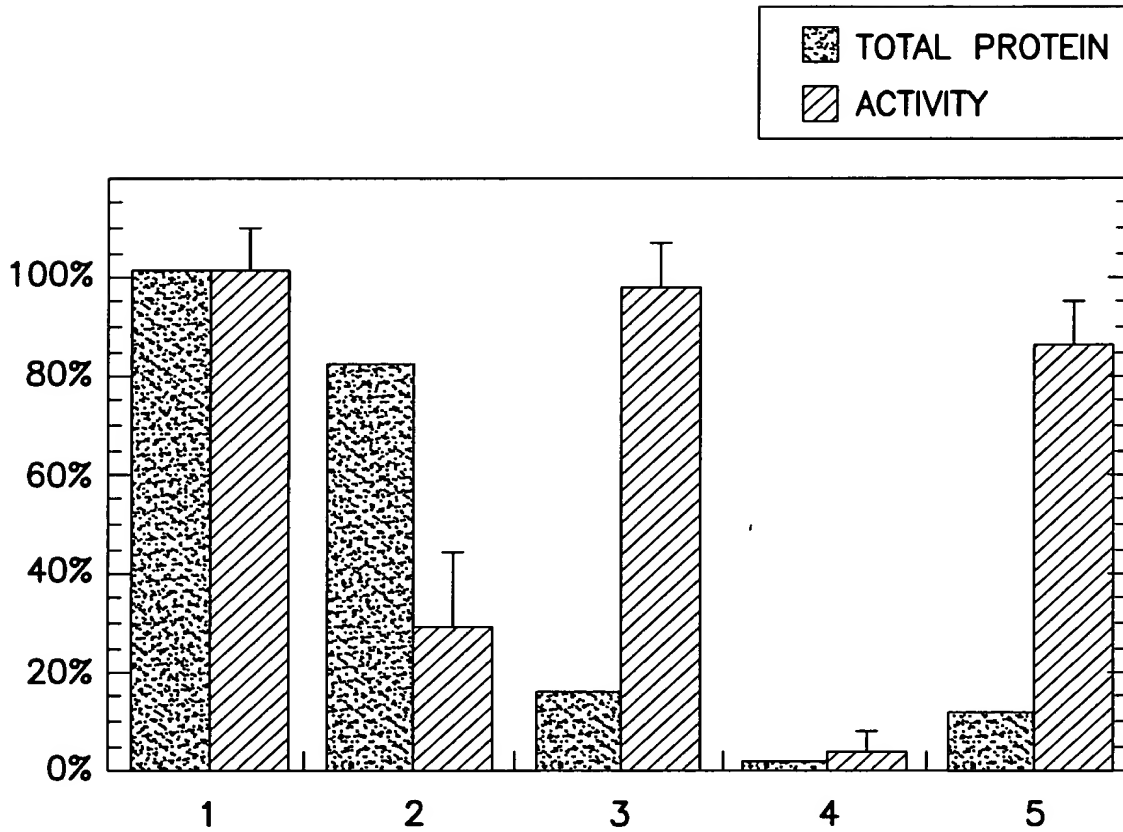
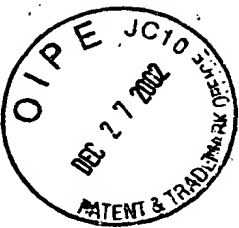


FIG.9



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

ELP GENE (10-mer BASE SEQUENCE)

|EcoR I

|PflM I

A ATT CAT ATG GGC CAC GGC GTG GGT GTT CCG GGC GTG GGT GTT CCG GGT GGC GGT GTG CCG GGC GCA GGT GTT
V G V P G V G V P G G G V P G A G V

CCT GGT GTA GGT GTG CCG GGT GTT GGT GTG CCG GGT GTT GTA CCA GGT GGC GGT GTT CCG GGT GCA GGC
P G V G V P G V G V P G V P G G V P G A G

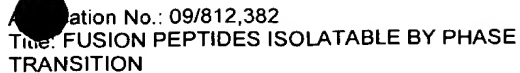
|Bgl I

|Hind III

GTT CCG GGT GGC GGT GTG CCG GGC GGC CTG AAA TGA TA
V P G G V P G

8/20

FIG.10



9/20

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

THIOREDOXIN--ELP FUSION

MSC I

THIOREDOXIN GENE

— C CAT ATG CAC CAT CAT CAT TCT TCT GGT CTG GTG CCA CGC GGT TCT GGT AAA
H M, H H H H H S S G L V P R | G S G K

Sfi 1

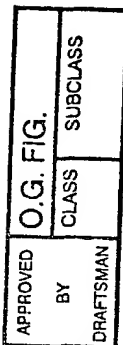
Ava I

GGG CCG GGC TGG CCG TGA TAA C

G P G W P ter ter

THROMBIN CLEAVAGE SITE

FIG. 11

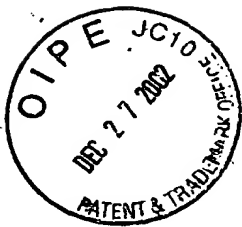


THIOREDOXIN-ELP-TENDAMISTAT FUSION

I. **THIOREDOXIN GENE** — **MSC I** | **SFI I** | **NCO I**
T CTG GTG CCA CGC GGT TCT GGG CCA GGC GGC CCA TC — **TENDAMISTAT GENE**
L V P R | G S G P G G P S
THROMBIN CLEAVAGE SITE

II. **THIOREDOXIN GENE** — **MSC I** | **SFI I** | **NCO I**
G CCA GGC GGC CCA TCT TCT GGT CTG GTG CCA CGC GGT TCT TC — **TENDAMISTAT GENE**
P G G P S S G L V P R | G S S
THROMBIN CLEAVAGE SITE

FIG. 12



11/20

APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY		
DRAFTSMAN		

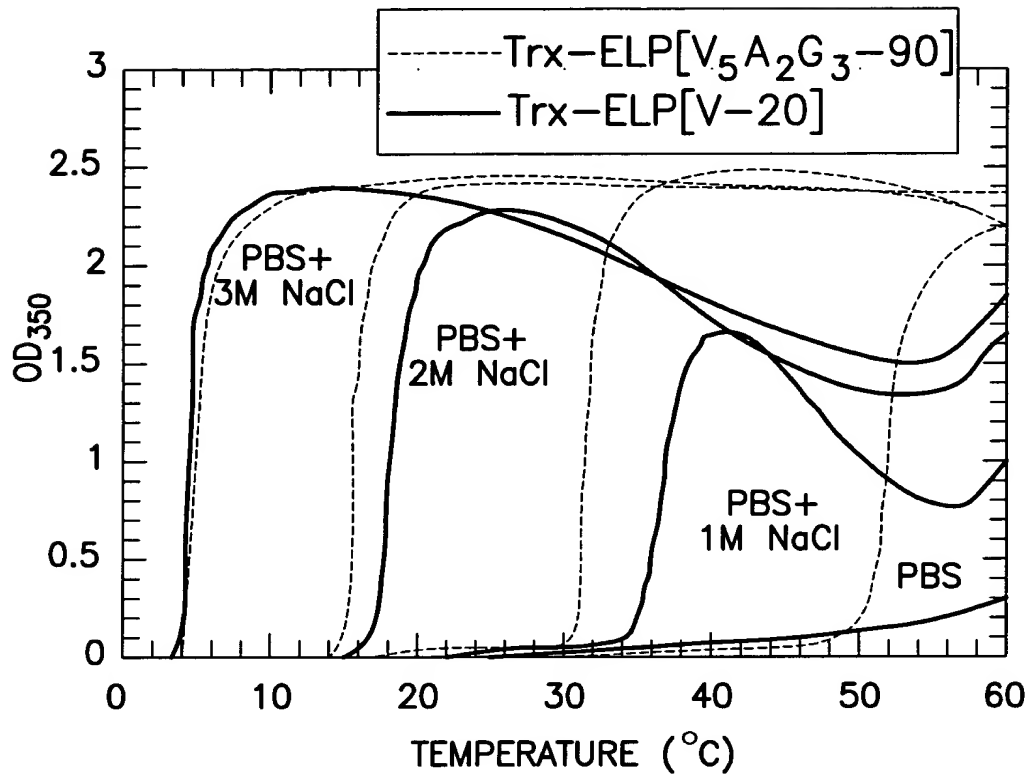


FIG.13

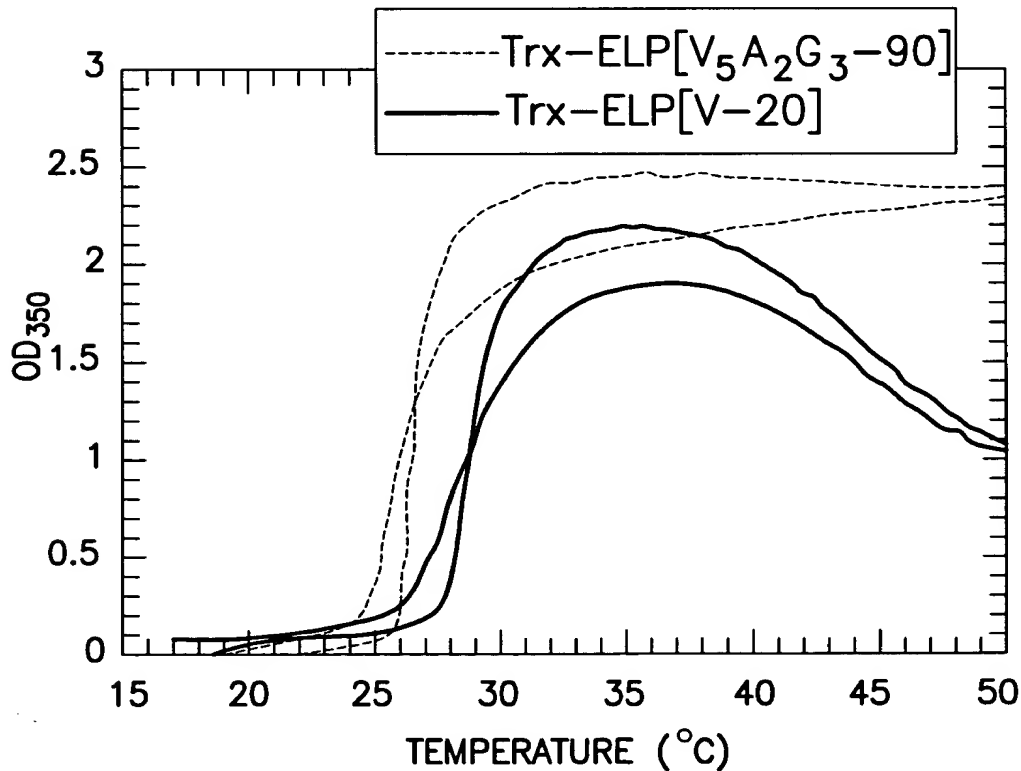
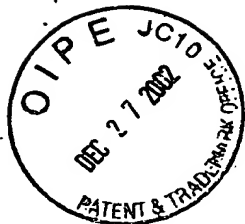


FIG.14



12/20

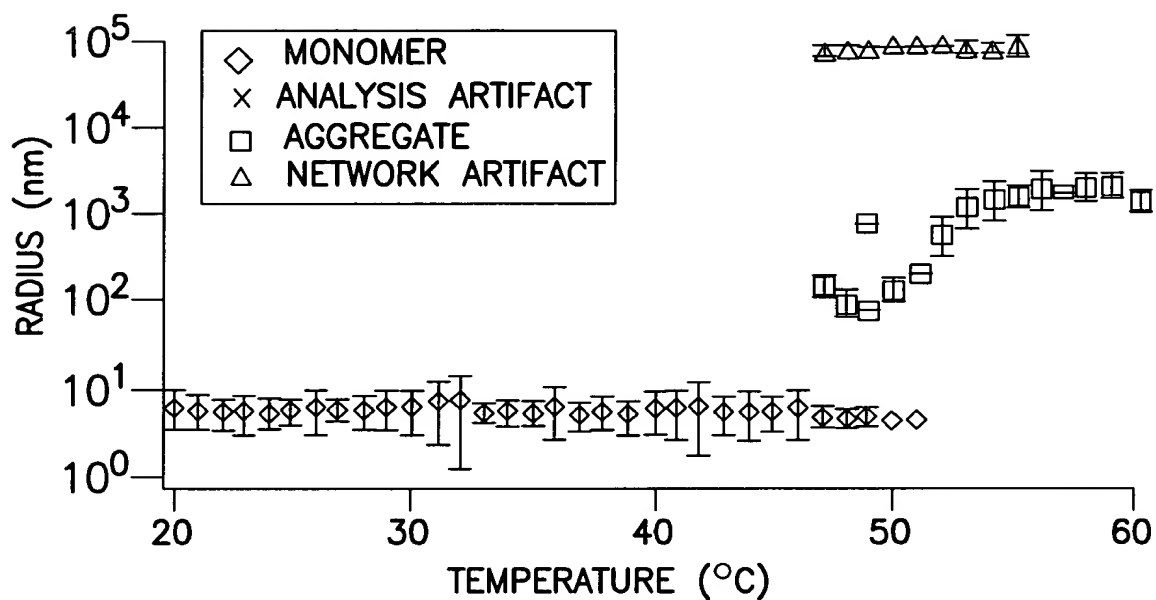


FIG.15

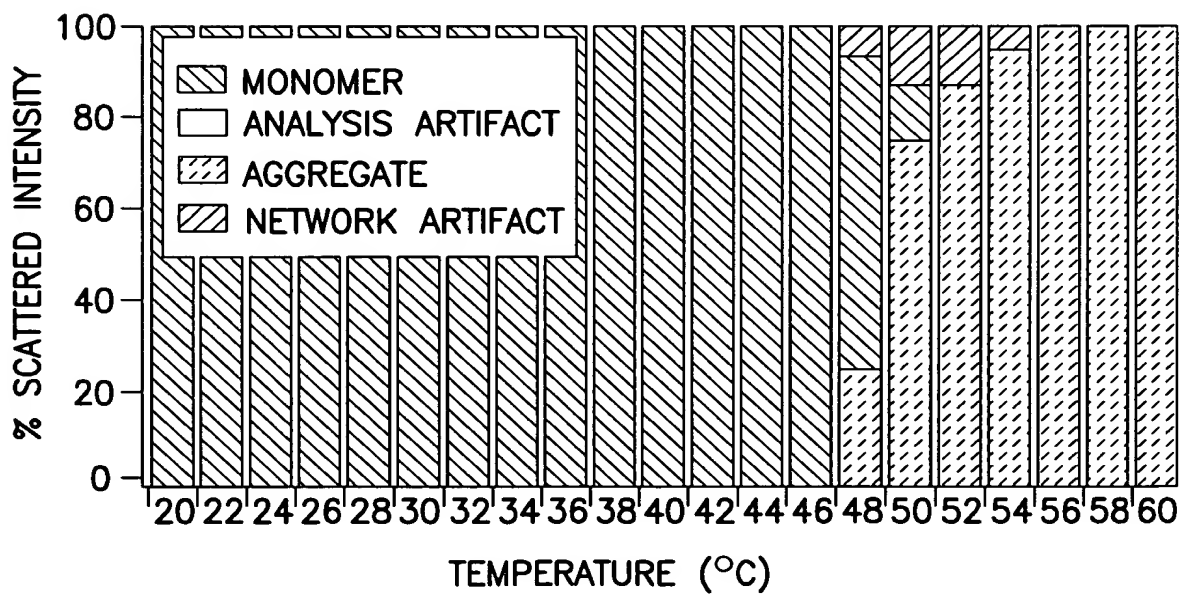
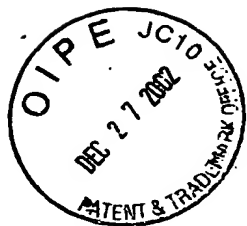


FIG.16



13/20

APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

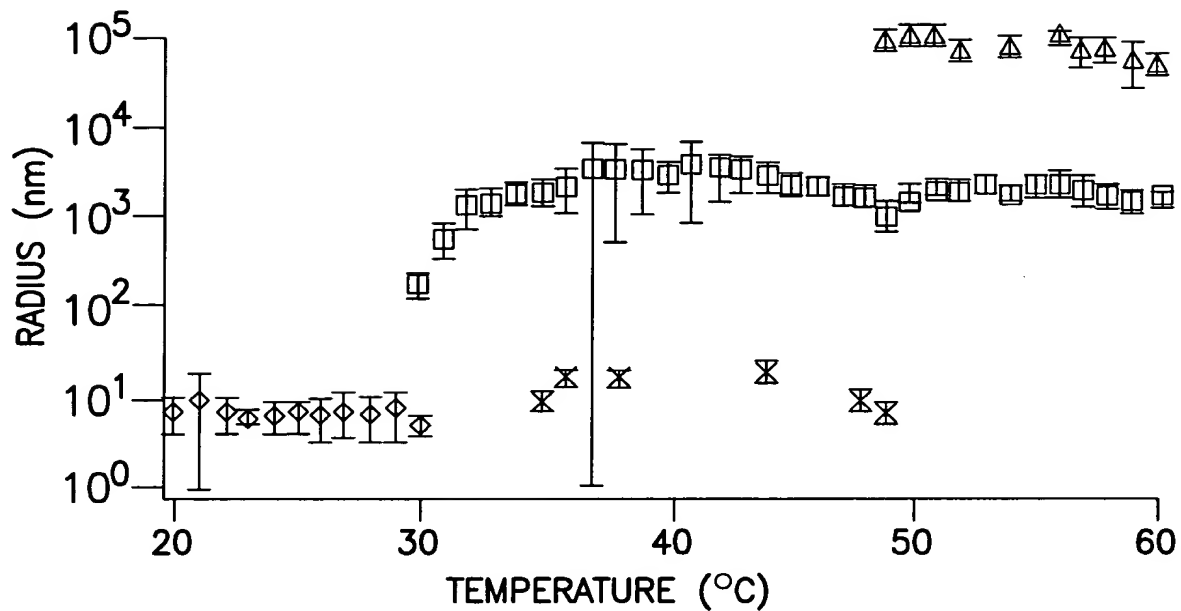


FIG.17

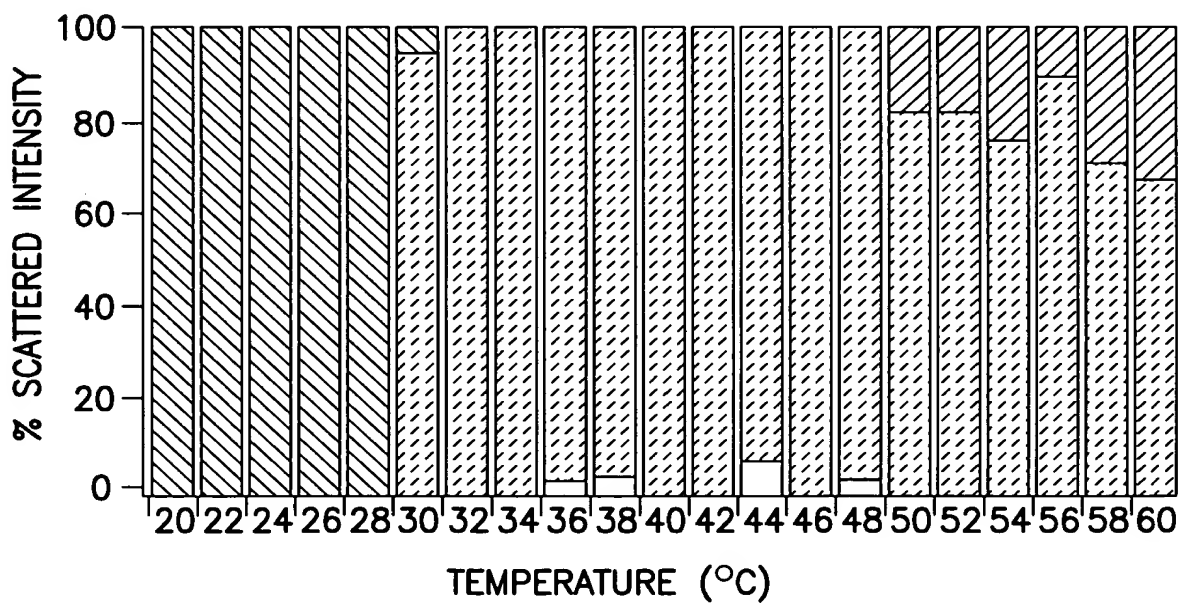
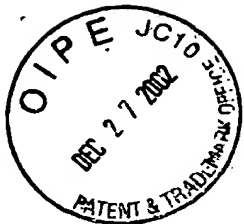


FIG.18



14/20

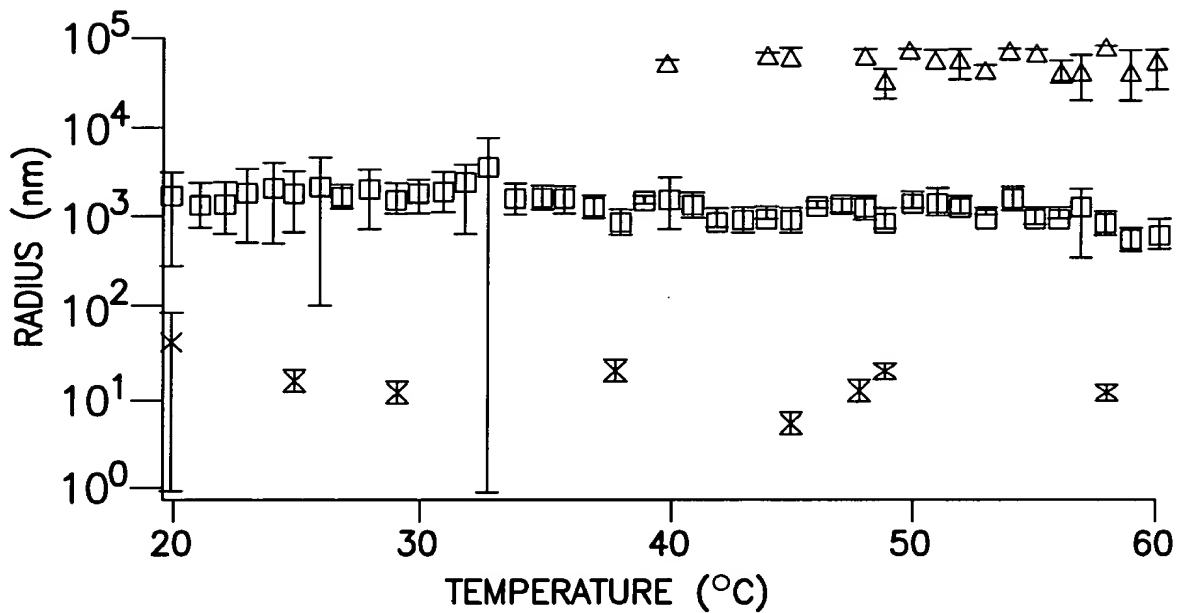


FIG.19

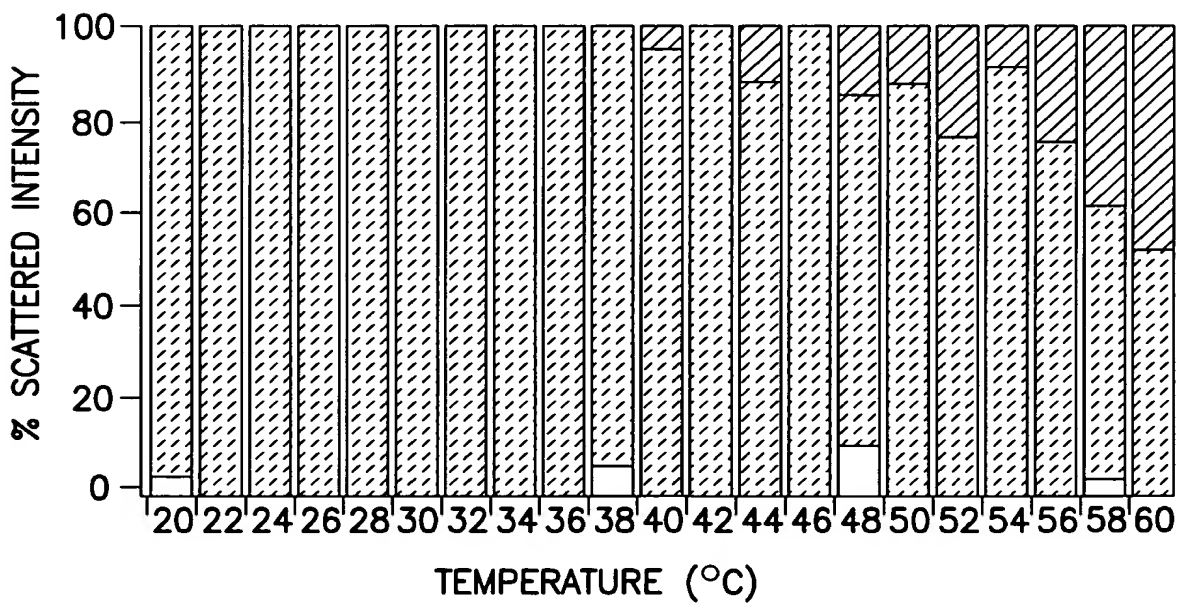
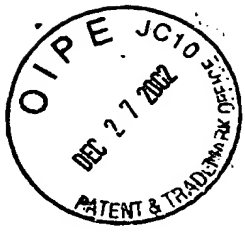


FIG.20



15/20

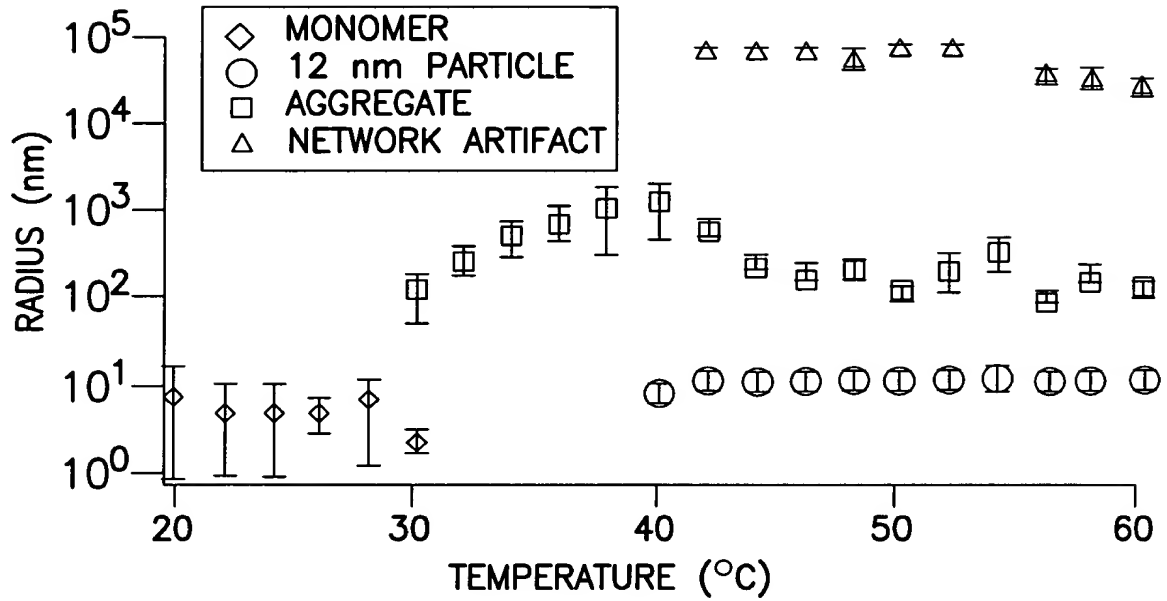


FIG.21

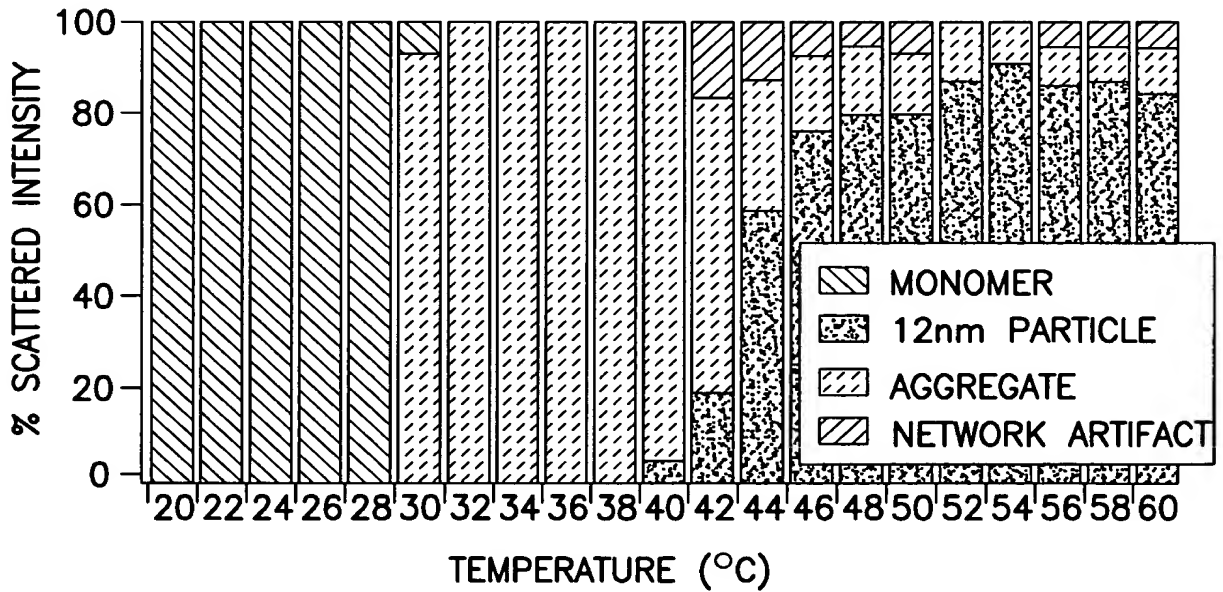
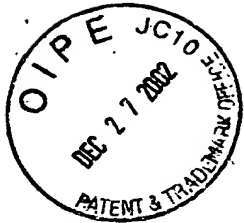


FIG.22



16/20

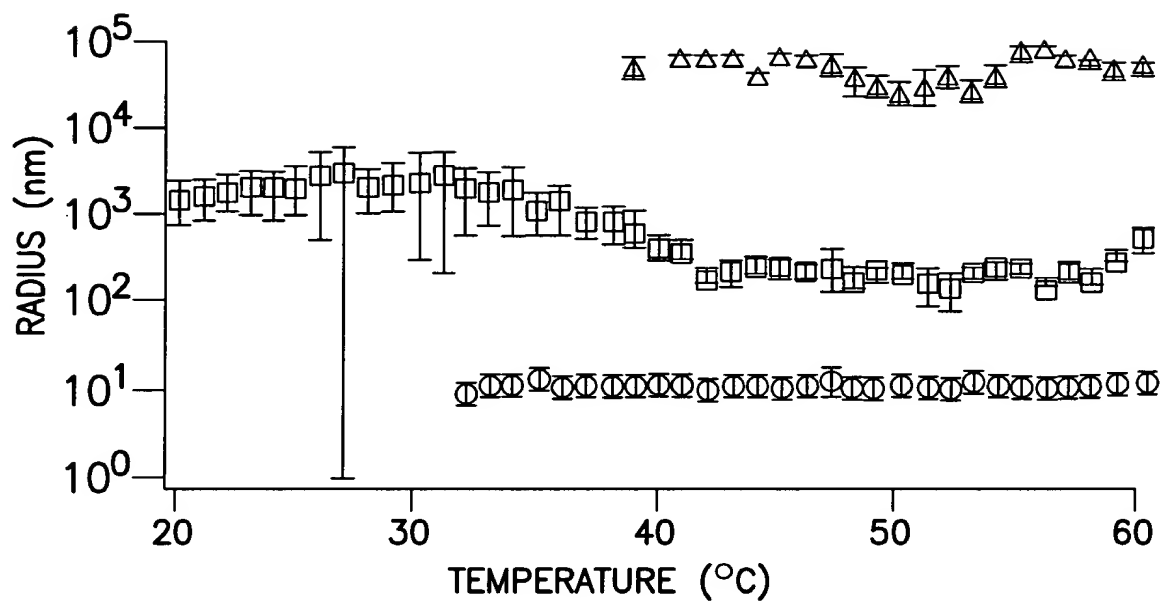


FIG.23

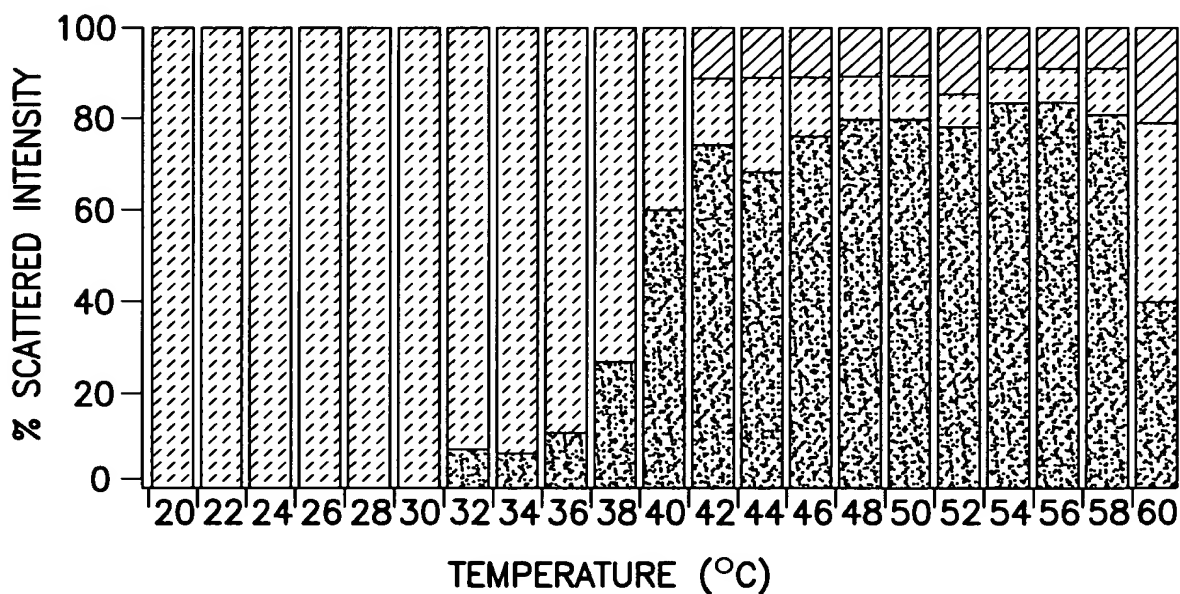
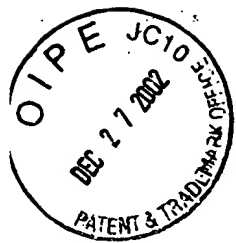


FIG.24



17/20

APPROVED	U.S. FIG.
BY	CLASS
	SUBCLASS

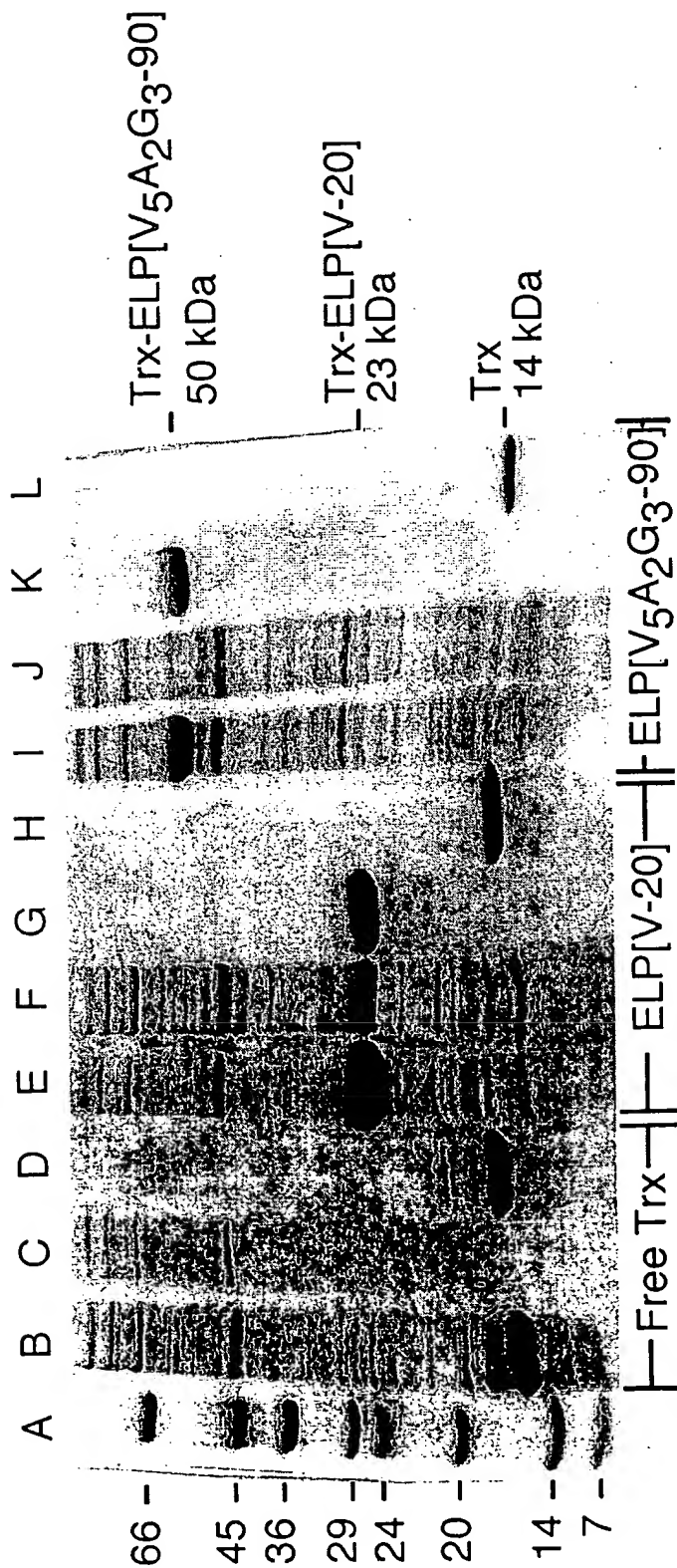
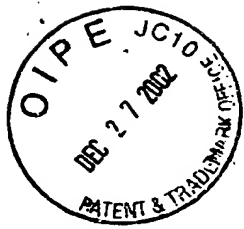


FIG.25



18/20

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

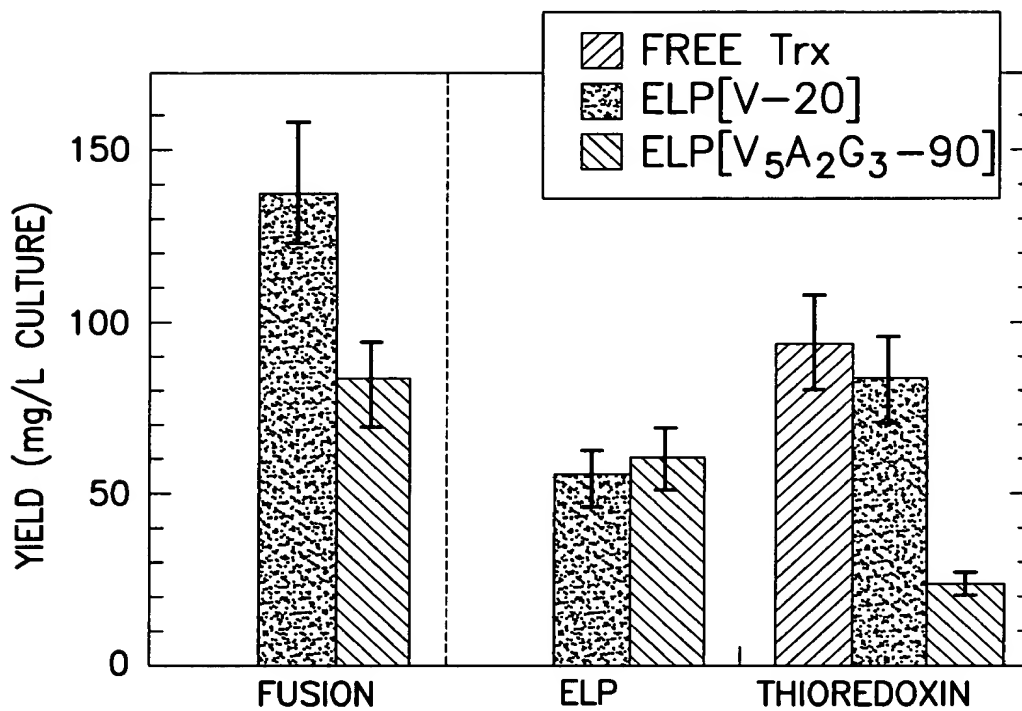
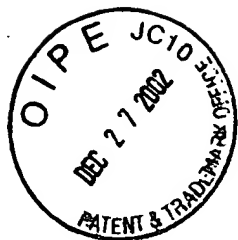


FIG.26



19/20

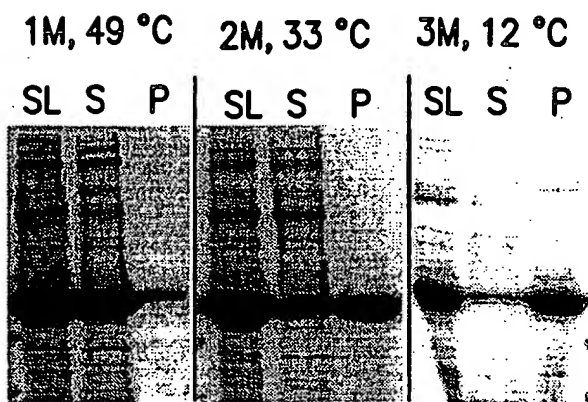


FIG.27

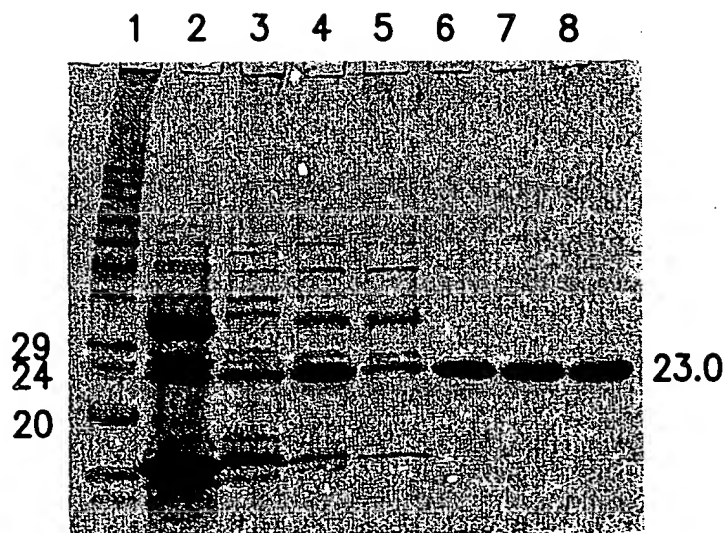


FIG.28

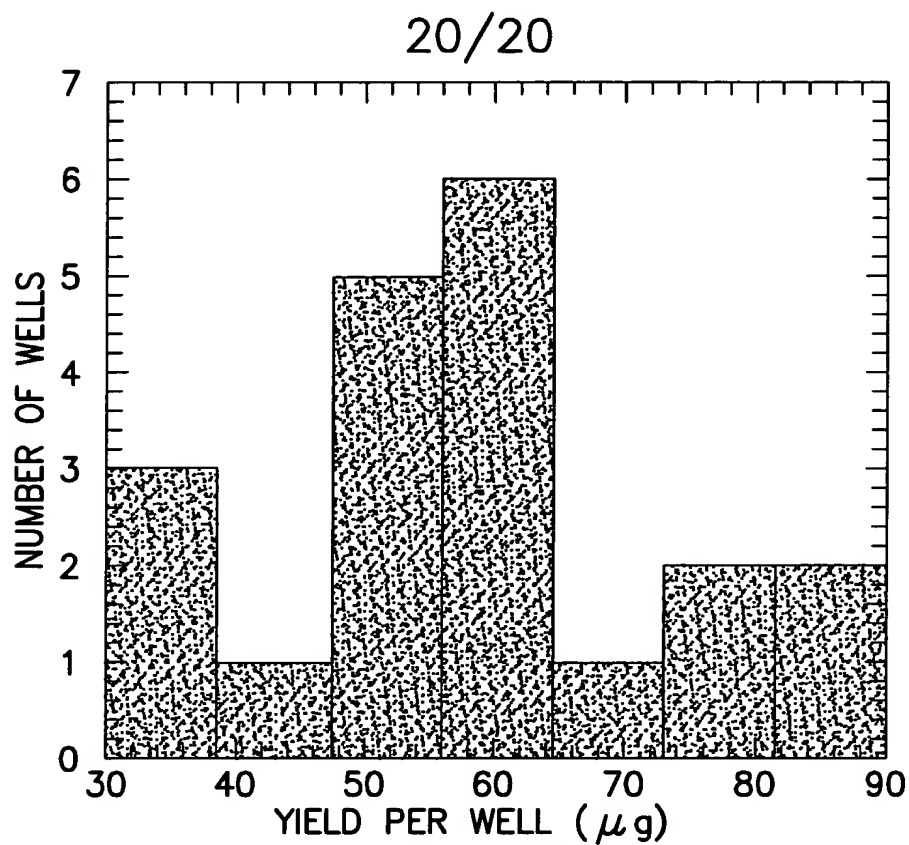
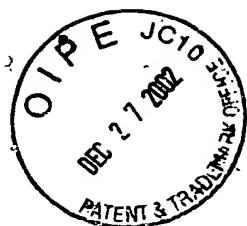


FIG.29

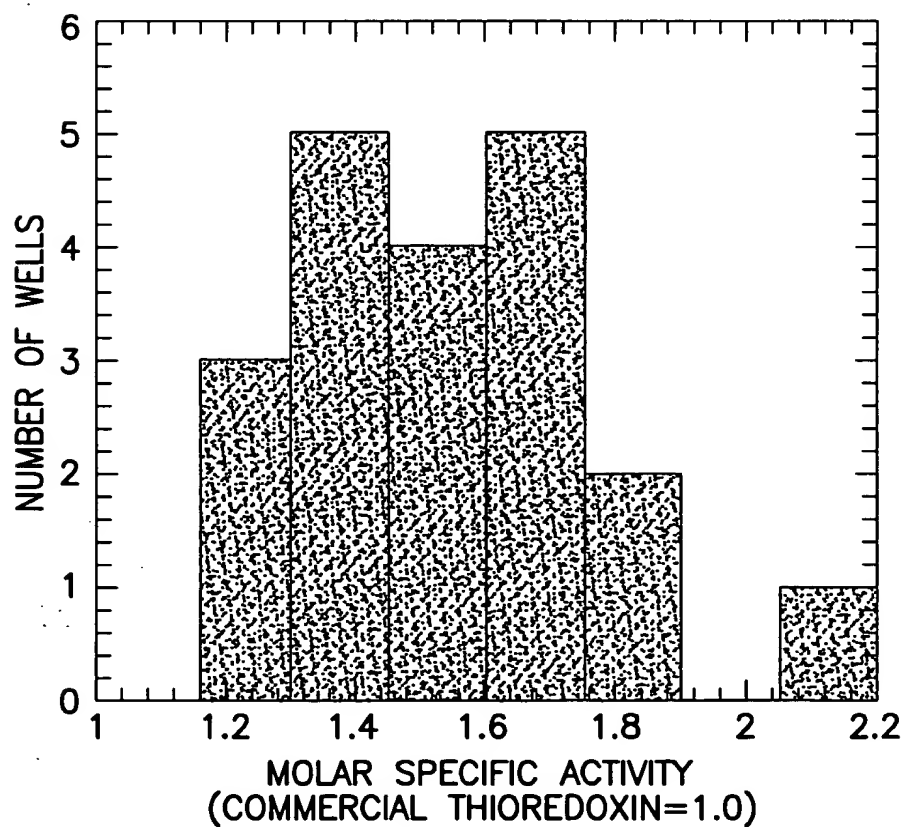


FIG.30